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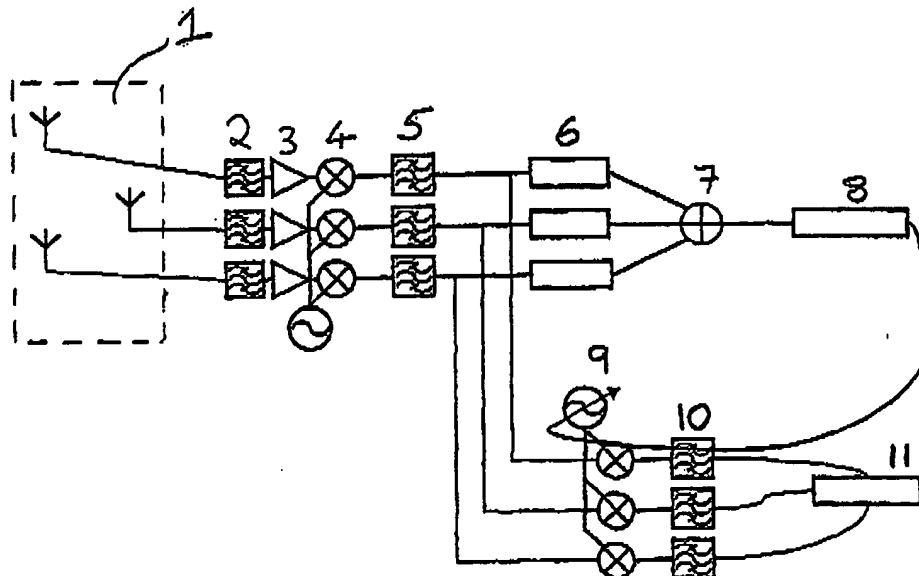
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(54) Title: **RADIO SIGNAL DIRECTION FINDER**



(57) Abstract: A radio direction finding (RDF) receiver using an array of receiving antennas for known signals with a relatively large frequency uncertainty is described. Additional sensitivity for low signal to noise environments, compared to a conventional receiver used for direction of arrival (DOA) measurements, is obtained. This is achieved by using the outputs of all the receiving antennas combined to provide coherent signal to noise gain, but without the associated increased directivity of the larger aperture.

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